# NIKHITA JOSHI

CV

## ABOUT

I am an NSERC postdoctoral fellow at Paris-Saclay University, working with **Michel Beaudouin-Lafon**. I recently earned my PhD in Computer Science from the University of Waterloo, where I was advised by **Daniel Vogel**.

Broadly, my research area is Human-Computer Interaction (HCI). More specifically, I am interested in *designing, building, and evaluating novel interfaces and interaction techniques that purposely leverage user interface constraints to encourage positive outcomes for users*, a concept I call ***bounded interactions***. However, I am interested in many other topics within HCI, like human-AI interaction, augmented reality, gestural input, and software learning.

My research has been published in top HCI conferences and my research ability and potential have been recognized at the institutional, provincial, national, and international levels. During my master's and PhD, I interned at Microsoft Research, Meta Reality Labs Research, North (acquired by Google), and Autodesk Research.

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## NEWS

June 2026: Honoured to have received the **Governor General's Gold Medal**, one of the highest academic honours in Canada.

May 2026: Won the **first place 2026 Faculty of Mathematics Doctoral Prize** from the University of Waterloo.

April 2026: Attended CHI in Barcelona and presented **one paper** and **one poster**.

January 2026: I moved to France and started my postdoctoral fellowship at Paris-Saclay University, funded through the NSERC PDF program.

November 2025: I successfully defended my PhD dissertation!

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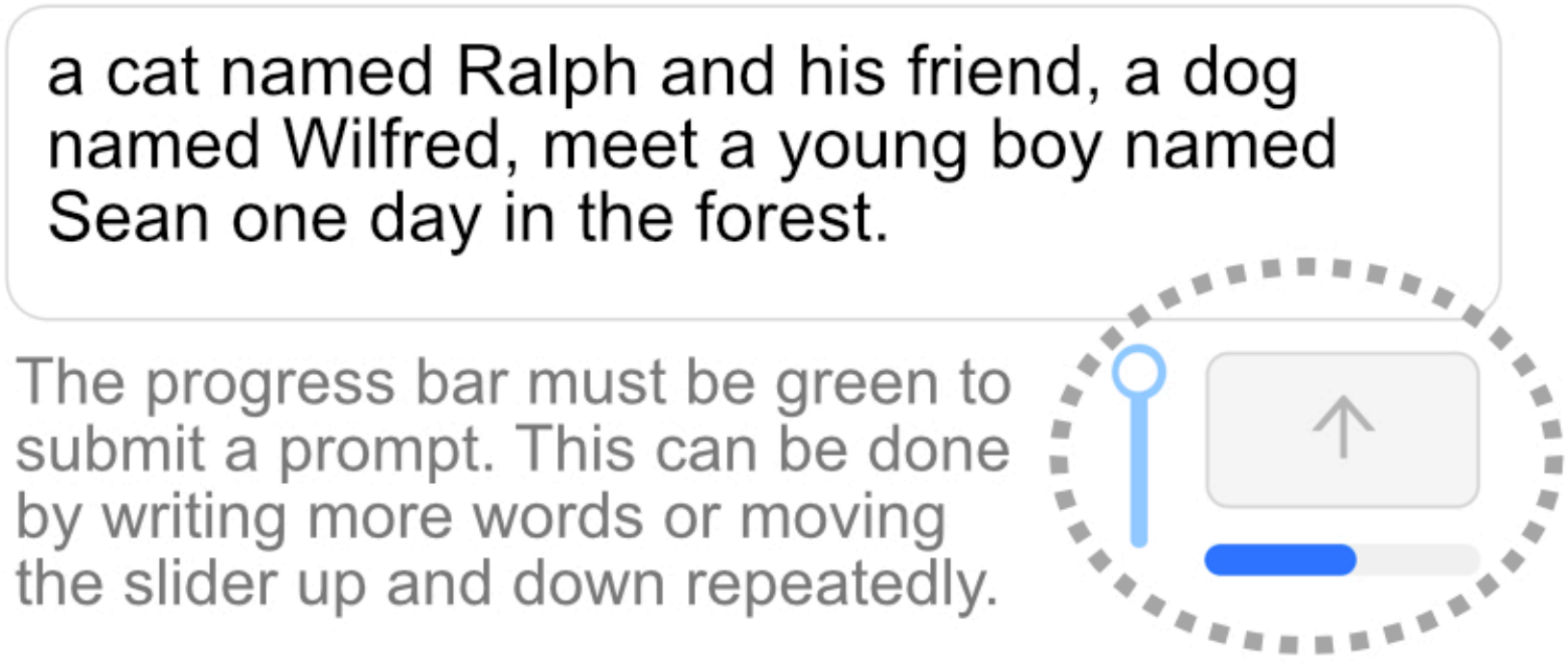
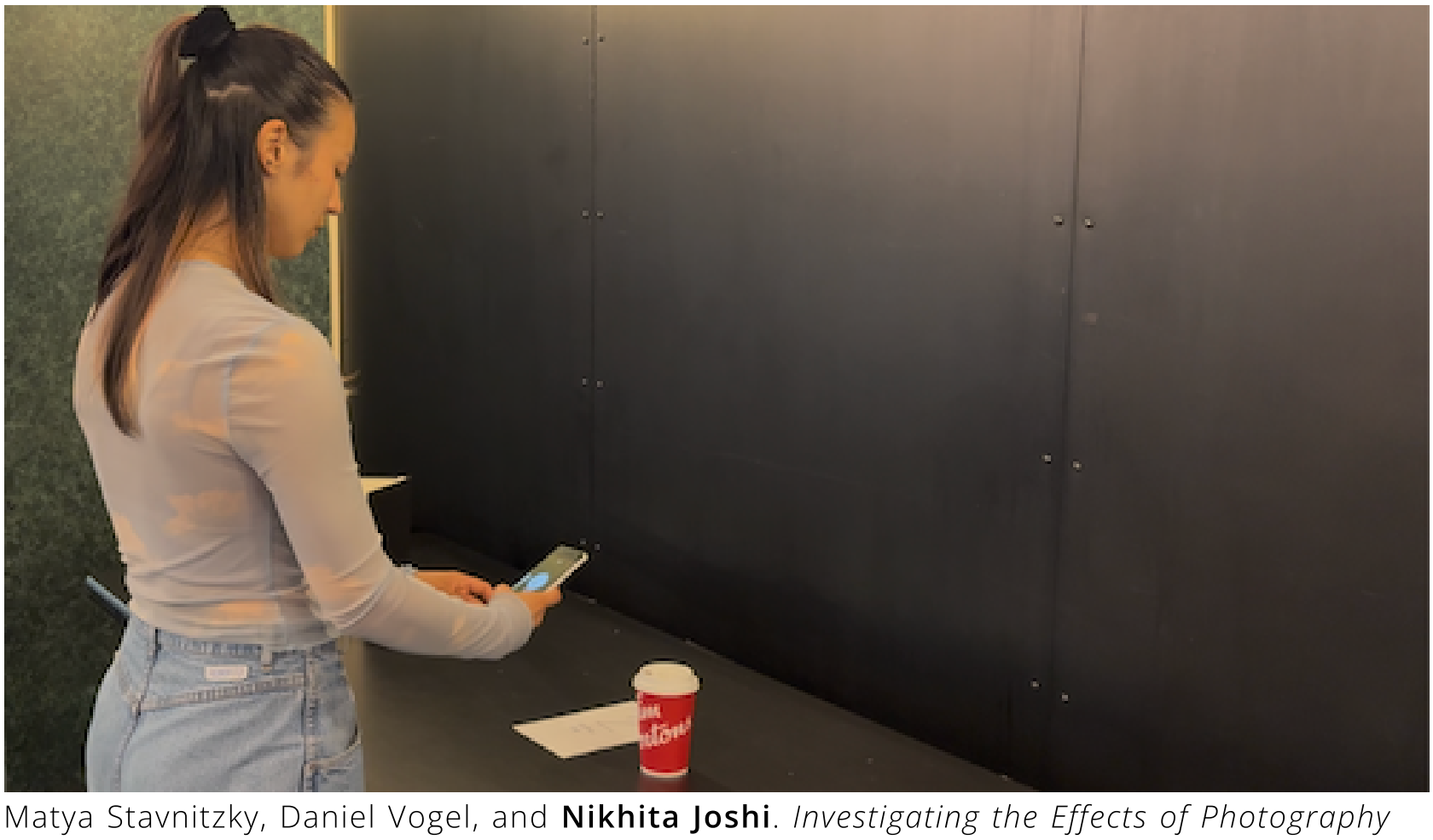
## RESEARCH


a cat named Ralph and his friend, a dog named Wilfred, meet a young boy named Sean one day in the forest.
The progress bar must be green to submit a prompt. This can be done by writing more words or moving the slider up and down repeatedly.

**Nikhita Joshi** and Daniel Vogel. *Interaction Techniques that Encourage Longer Prompts Can Improve Psychological Ownership when Writing with AI*. GI 2026.

Preprint | PDF | Video | Data



Matya Stavnitzky, Daniel Vogel, and **Nikhita Joshi**. *Investigating the Effects of Photography on Recall*. CHI EA 2026.

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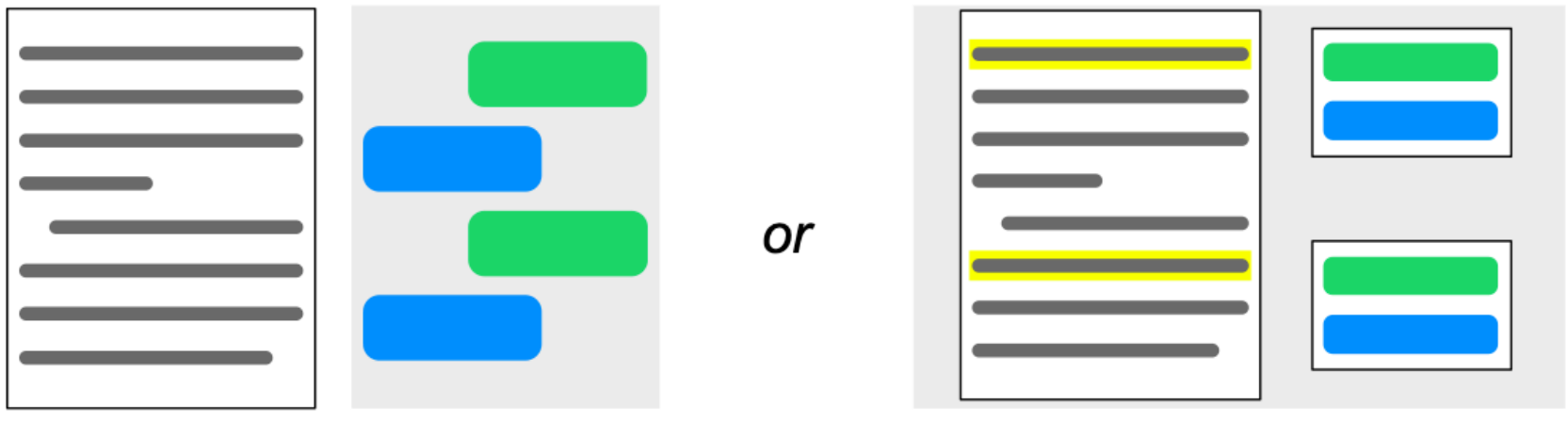


**Nikhita Joshi** and Daniel Vogel. *Designing and Evaluating AI Margin Notes in Document Reader Software*. CHI 2026.

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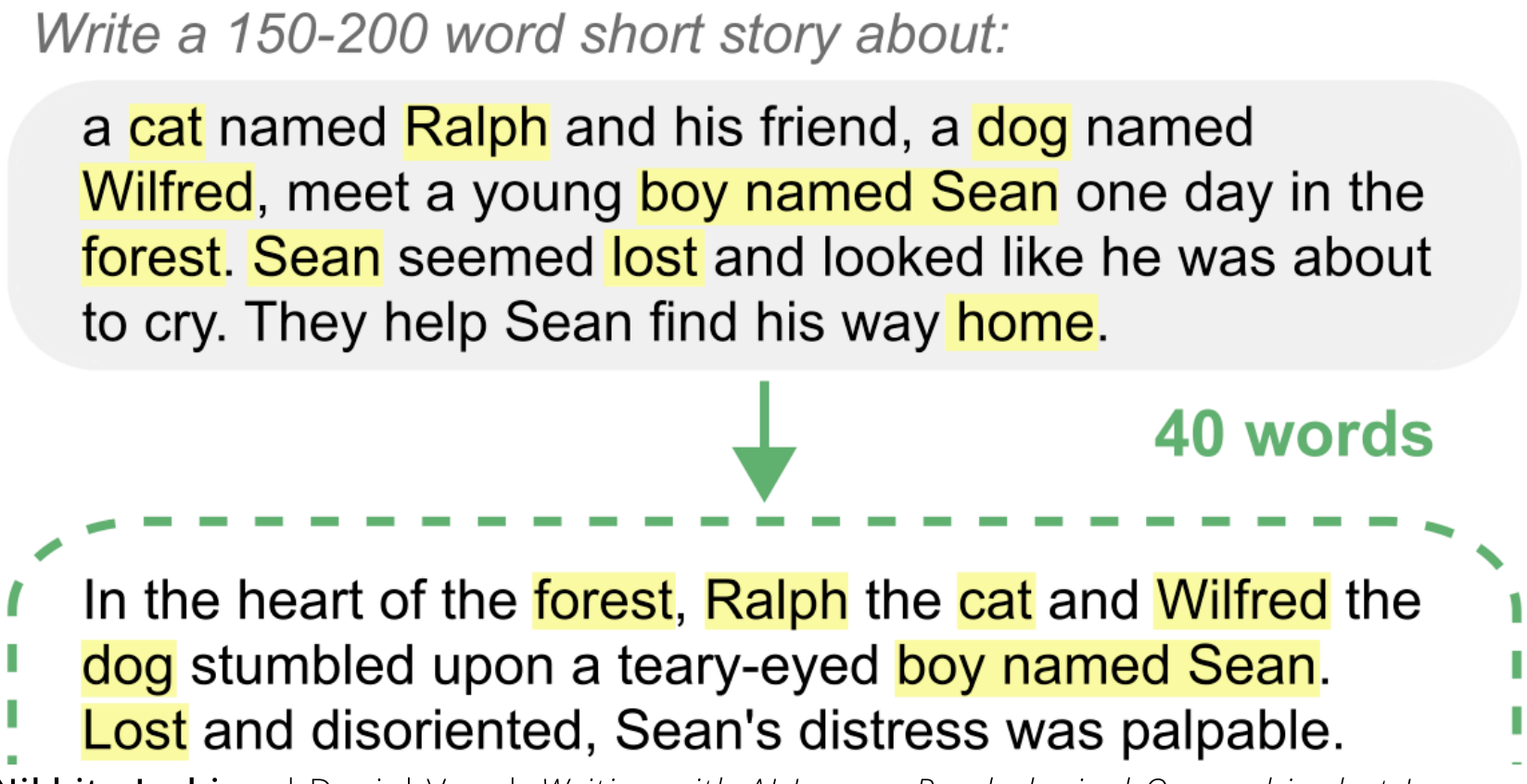
Write a 150-200 word short story about:
a cat named Ralph and his friend, a dog named Wilfred, meet a young boy named Sean one day in the forest. Sean seemed lost and looked like he was about to cry. They help Sean find his way home.
40 words
In the heart of the forest, Ralph the cat and Wilfred the dog stumbled upon a teary-eyed boy named Sean. Lost and disoriented, Sean's distress was palpable.

**Nikhita Joshi** and Daniel Vogel. *Writing with AI Lowers Psychological Ownership, but Longer Prompts Can Help*. CUI 2025.

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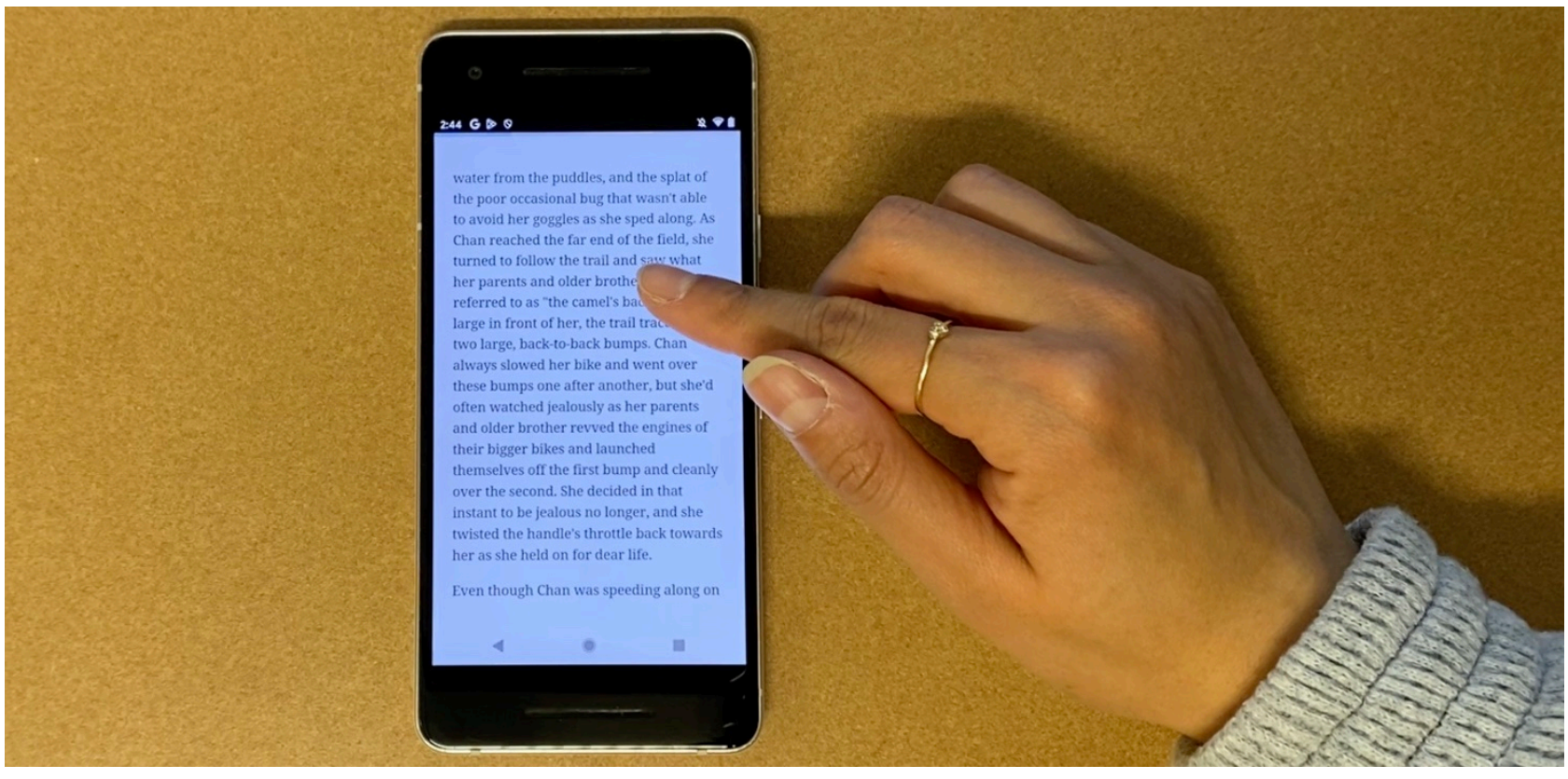
water from the puddles, and the splat of the poor occasional bug that wasn't able to avoid her goggles as she sped along. As Chan reached the far end of the field, she turned to follow the trail and saw what
her parents and older brothe
referred to as "the camel's bac
large in front of her, the trail trac
two large, back-to-back bumps. Chan always slowed her bike and went over these bumps one after another, but she'd often watched jealously as her parents and older brother revved the engines of their bigger bikes and launched themselves off the first bump and cleanly over the second. She decided in that instant to be jealous no longer, and she twisted the handle's throttle back towards her as she held on for dear life.
Even though Chan was speeding along on

**Nikhita Joshi**, Géry Casiez, and Daniel Vogel. *Is Pagination Better than Scrolling when Reading on a Phone?*. CHI EA 2025.

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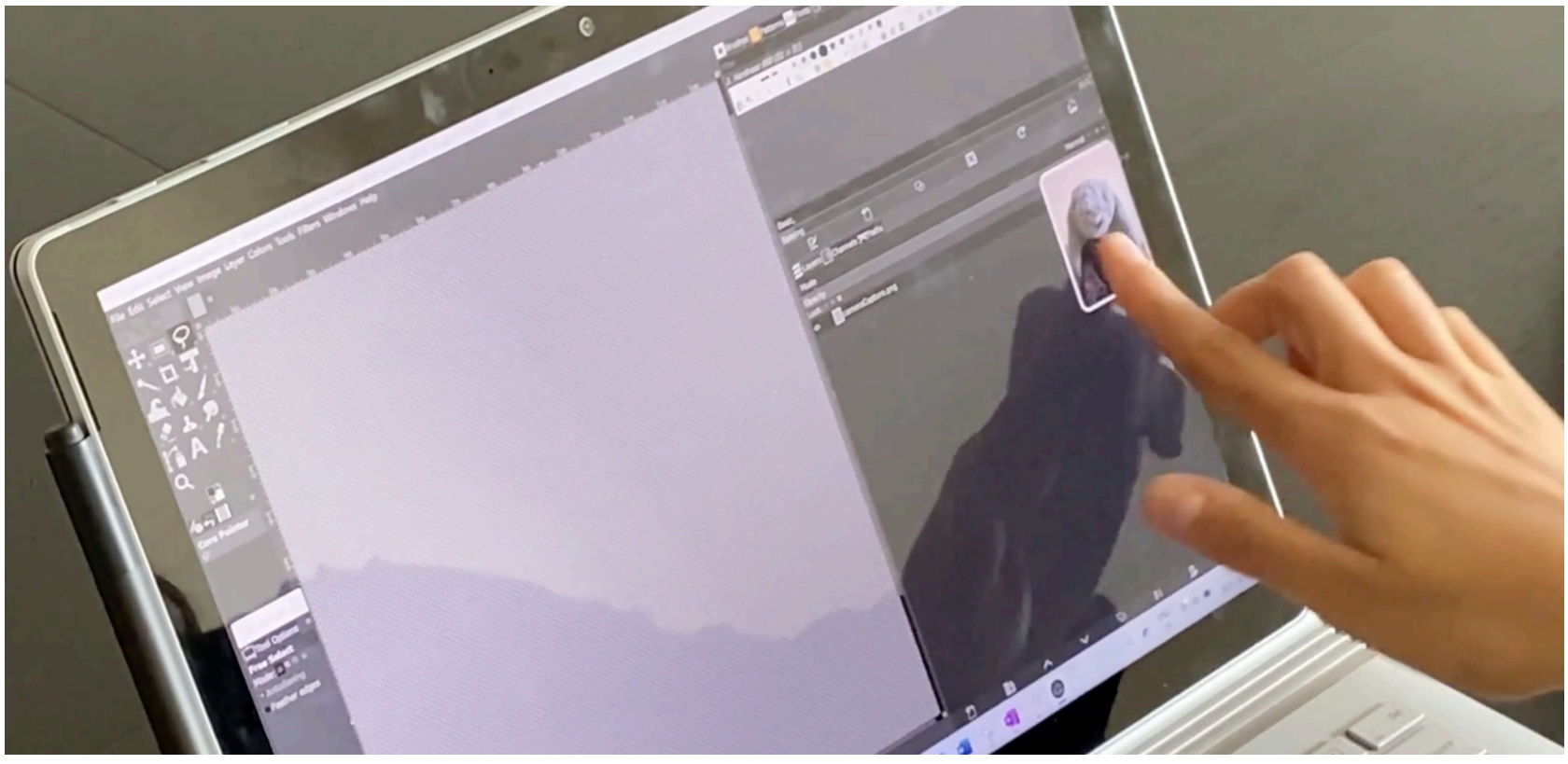
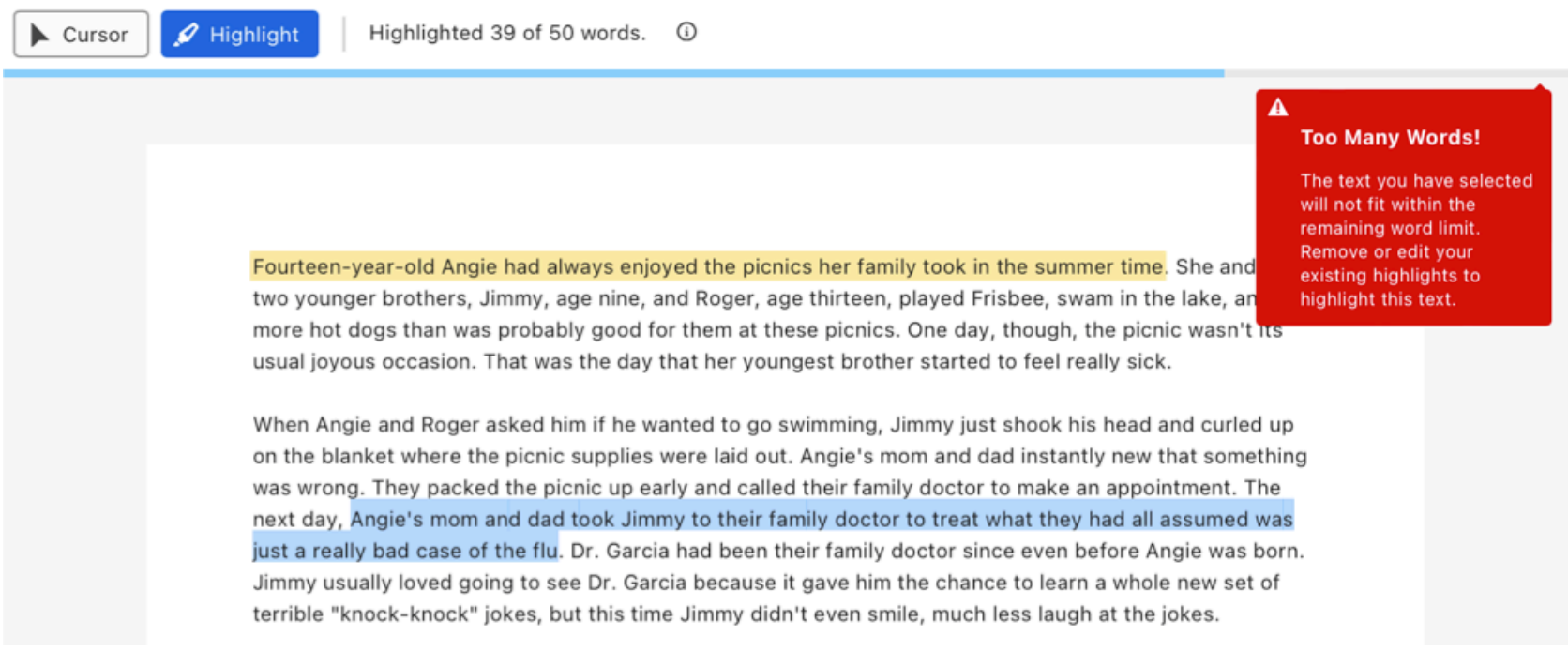


**Nikhita Joshi**, Richard Li, Jiannan Li, Leonardo Pavanatto, Michel Pahud, Jatin Sharma, Bongshin Lee, Hugo Romat, William Buxton, Nicolai Marquardt, Ken Hinckley, and Nathalie Henry Riche. *Opportunistic Nudges for Task Migration Between Personal Devices*. CHI EA 2024.

DOI | PDF | Video | Talk


Cursor
Highlight
Highlighted 39 of 50 words.
Too Many Words!
The text you have selected will not fit within the remaining word limit. Remove or edit your existing highlights to highlight this text.
Fourteen-year-old Angie had always enjoyed the picnics her family took in the summer time. She and
two younger brothers, Jimmy, age nine, and Roger, age thirteen, played Frisbee, swam in the lake, an
more hot dogs than was probably good for them at these picnics. One day, though, the picnic wasn't its
usual joyous occasion. That was the day that her youngest brother started to feel really sick.
When Angie and Roger asked him if he wanted to go swimming, Jimmy just shook his head and curled up
on the blanket where the picnic supplies were laid out. Angie's mom and dad instantly new that something
was wrong. They packed the picnic up early and called their family doctor to make an appointment. The
next day, Angie's mom and dad took Jimmy to their family doctor to treat what they had all assumed was
just a really bad case of the flu. Dr. Garcia had been their family doctor since even before Angie was born.
Jimmy usually loved going to see Dr. Garcia because it gave him the chance to learn a whole new set of
terrible "knock-knock" jokes, but this time Jimmy didn't even smile, much less laugh at the jokes.

**Nikhita Joshi** and Daniel Vogel. *Constrained Highlighting in a Document Reader Can Improve Reading Comprehension*. CHI 2024.

★ best paper award

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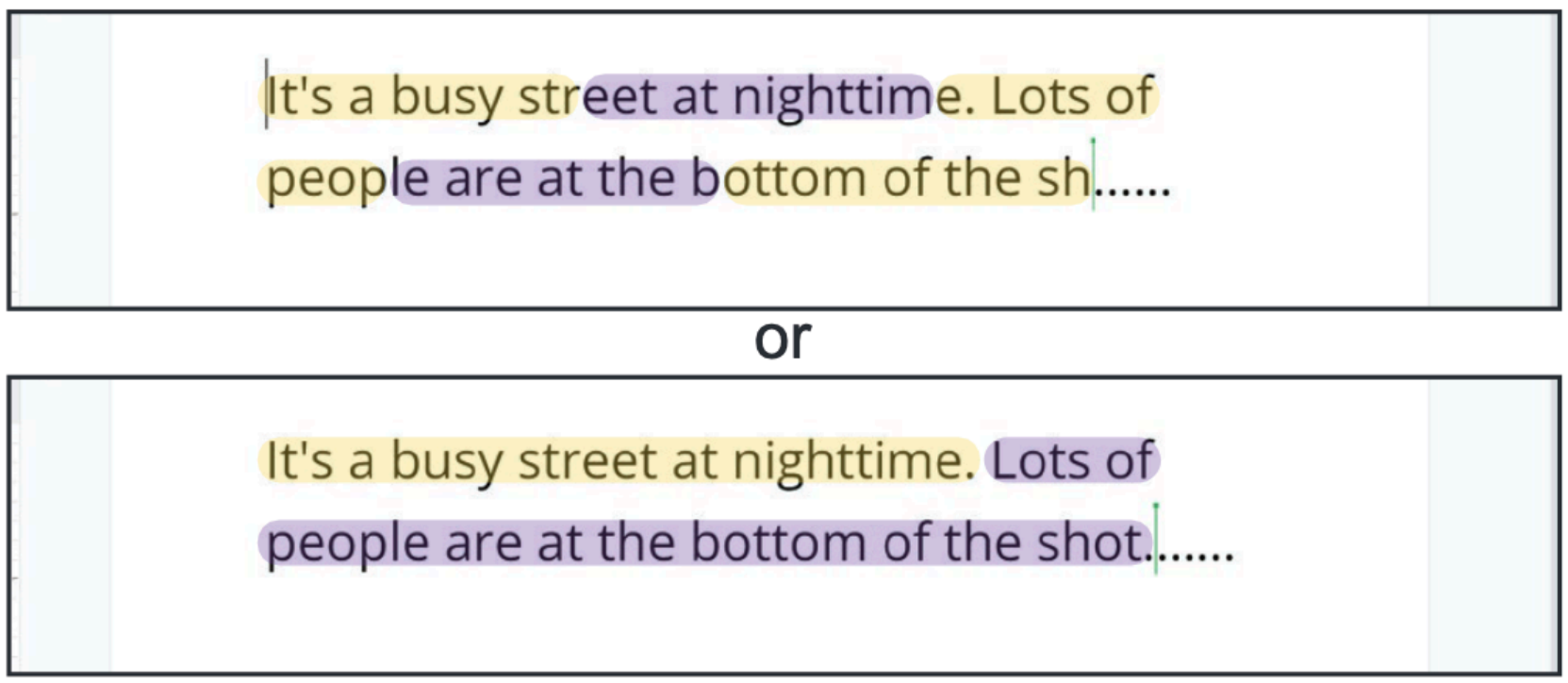
It's a busy street at nighttime. Lots of
people are at the bottom of the sh.....
or
It's a busy street at nighttime. Lots of
people are at the bottom of the shot.....

Yen-Ting Yeh†, **Nikhita Joshi**†, and Daniel Vogel. *The Effects of Update Interval and Reveal Method on Writer Comfort in Synchronized Shared-Editors*. CHI 2024. † equal contribution

☆ best paper honourable mention award

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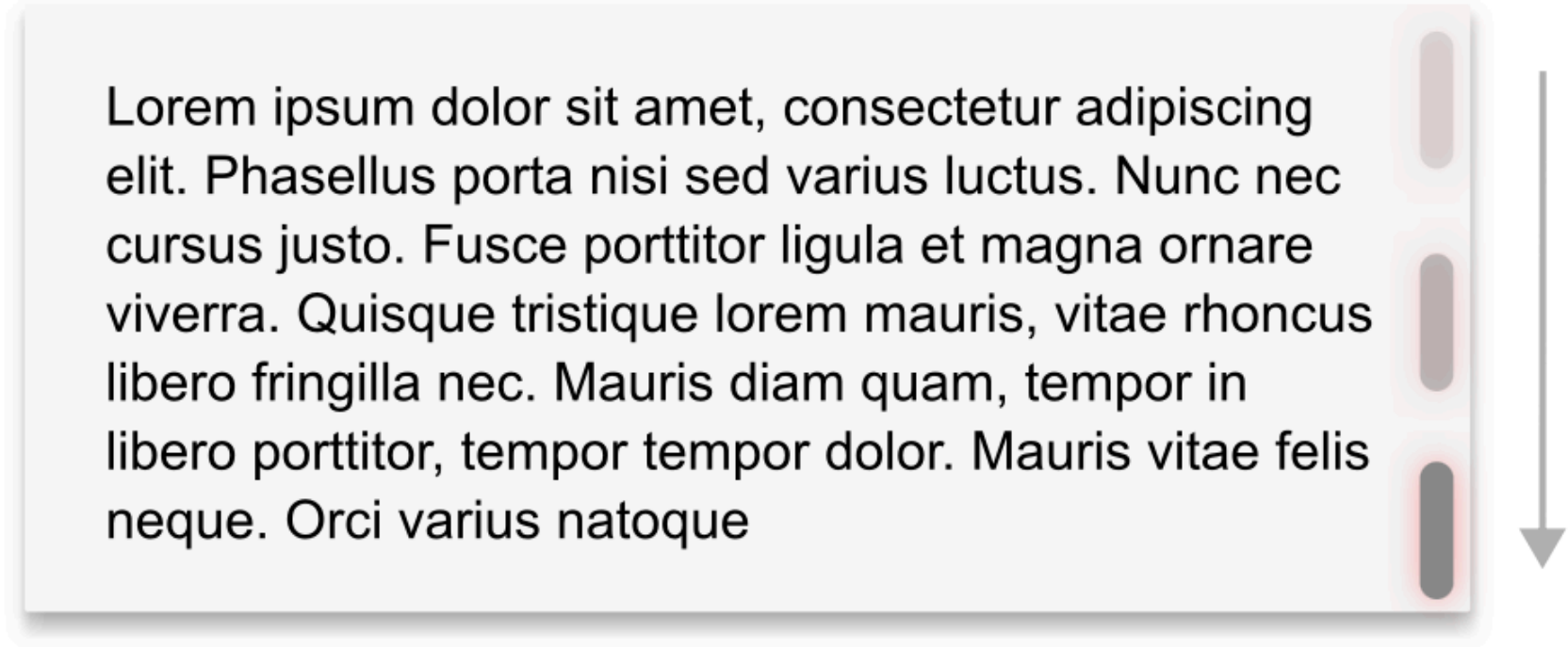
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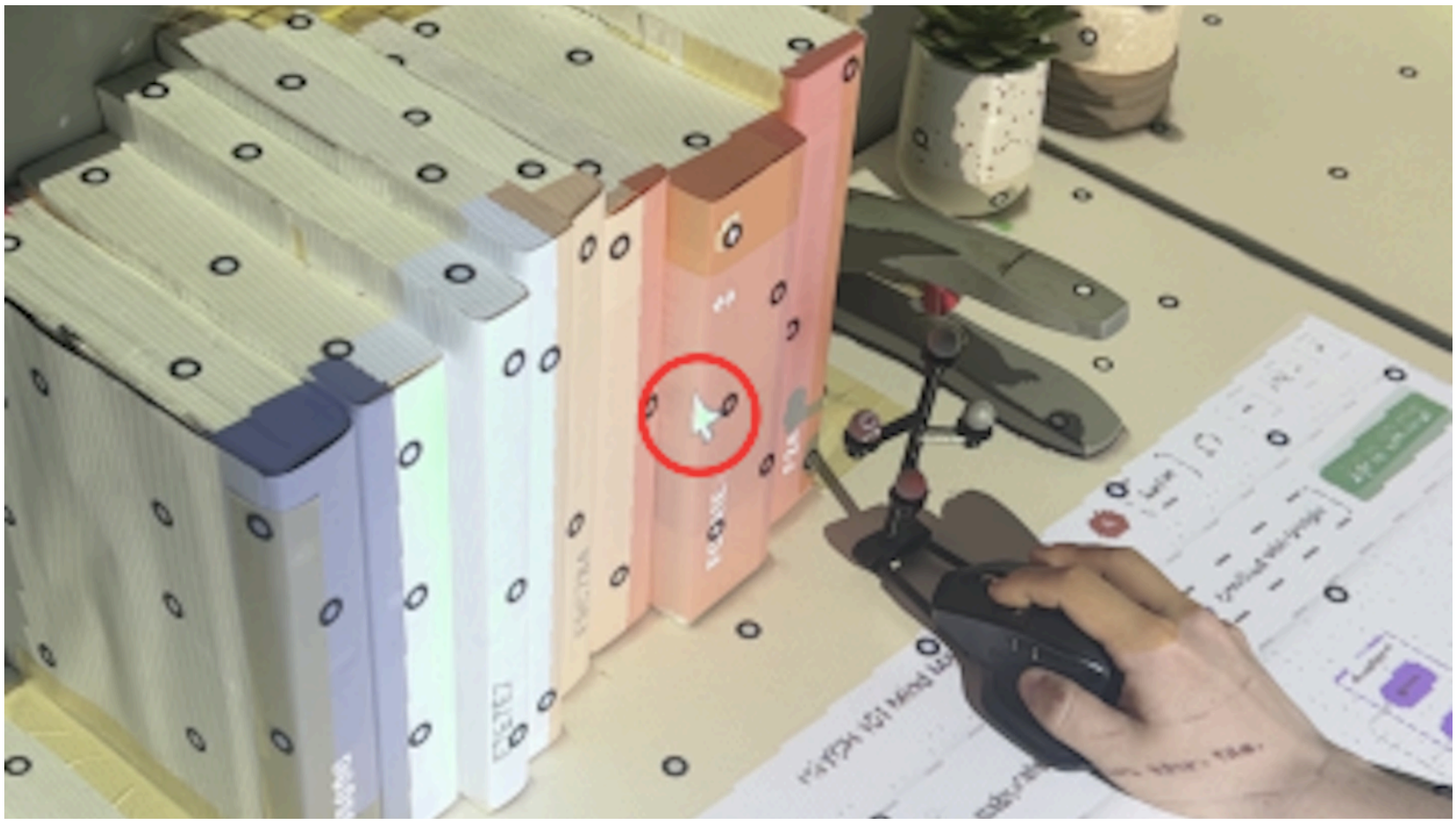
**Nikhita Joshi**. *User Interface Constraints to Influence User Behaviour when Reading and Writing*. UIST Doctoral Symposium 2023.

DOI | PDF

**Nikhita Joshi**, Parastoo Abtahi, Raj Sodhi, Nitzan Bartov, Jackson Rushing, Christopher Collins, Daniel Vogel, and Michael Glueck. *Transferable Microgestures Across Hand Posture and Location Constraints: Leveraging the Middle, Ring, and Pinky Fingers*. UIST 2023.

DOI | PDF | Video | Talk



Daisy Kim, **Nikhita Joshi**, and Daniel Vogel. *Perspective and Geometry Approaches to Mouse Cursor Control in Spatial Augmented Reality*. CHI 2023.

☆ best paper honourable mention award

DOI | PDF | Video | Talk

**Nikhita Joshi**, Antony Albert Raj Irudayaraj, Jeremy Hartmann, and Daniel Vogel. *An Instrumented Office Chair with a Steerable Projector for Personal Spatial Augmented Reality*. SUI 2022.

★ best paper award

DOI | PDF | Video | Talk

**Nikhita Joshi**†, Matthew Lakier†, Daniel Vogel, and Jian Zhao. *A Design Framework for Contextual and Embedded Information Visualizations in Spatial Augmented Reality*. GI 2022. † equal contribution

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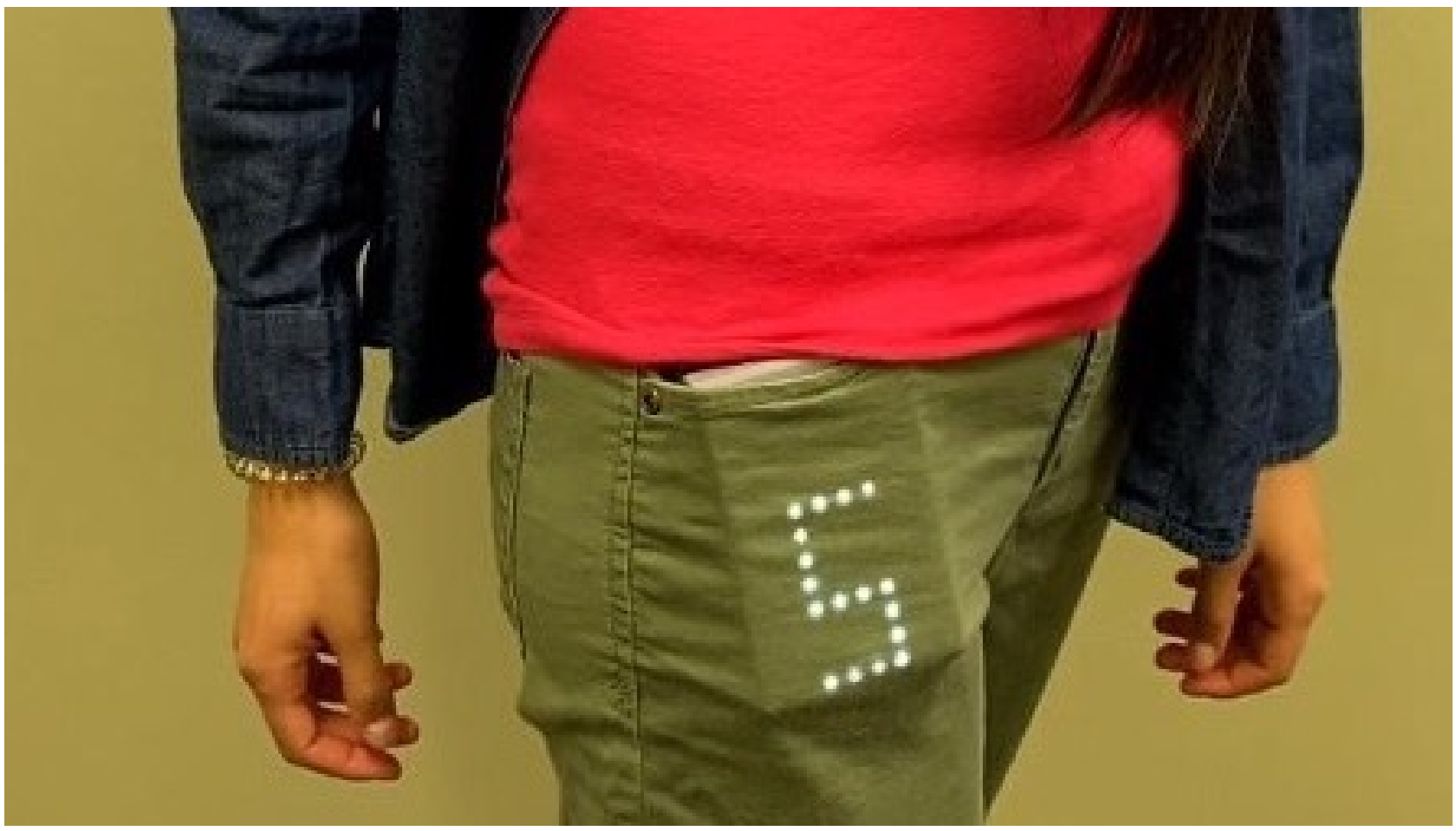
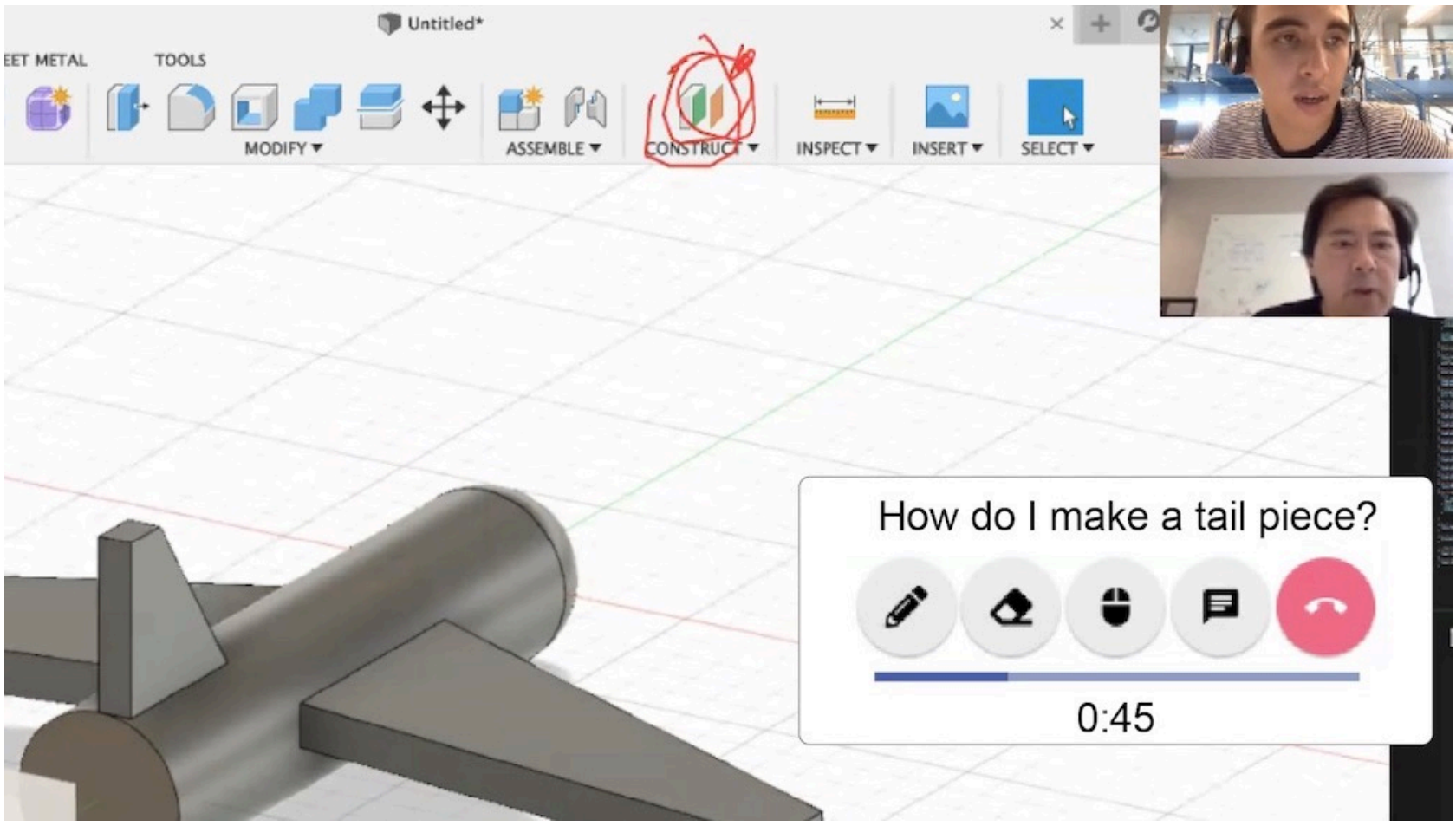


Antony Albert Raj Irudayaraj, Rishav Agarwal, **Nikhita Joshi**, Aakar Gupta, Omid Abari, and Daniel Vogel. *PocketView: Through-Fabric Information Displays*. UIST 2021.

DOI | PDF | Video | Blog | Talk




**Nikhita Joshi**, Justin Matejka, Fraser Anderson, Tovi Grossman, and George Fitzmaurice. *MicroMentor: Peer-to-Peer Software Help Sessions in Three Minutes or Less*. CHI 2020.

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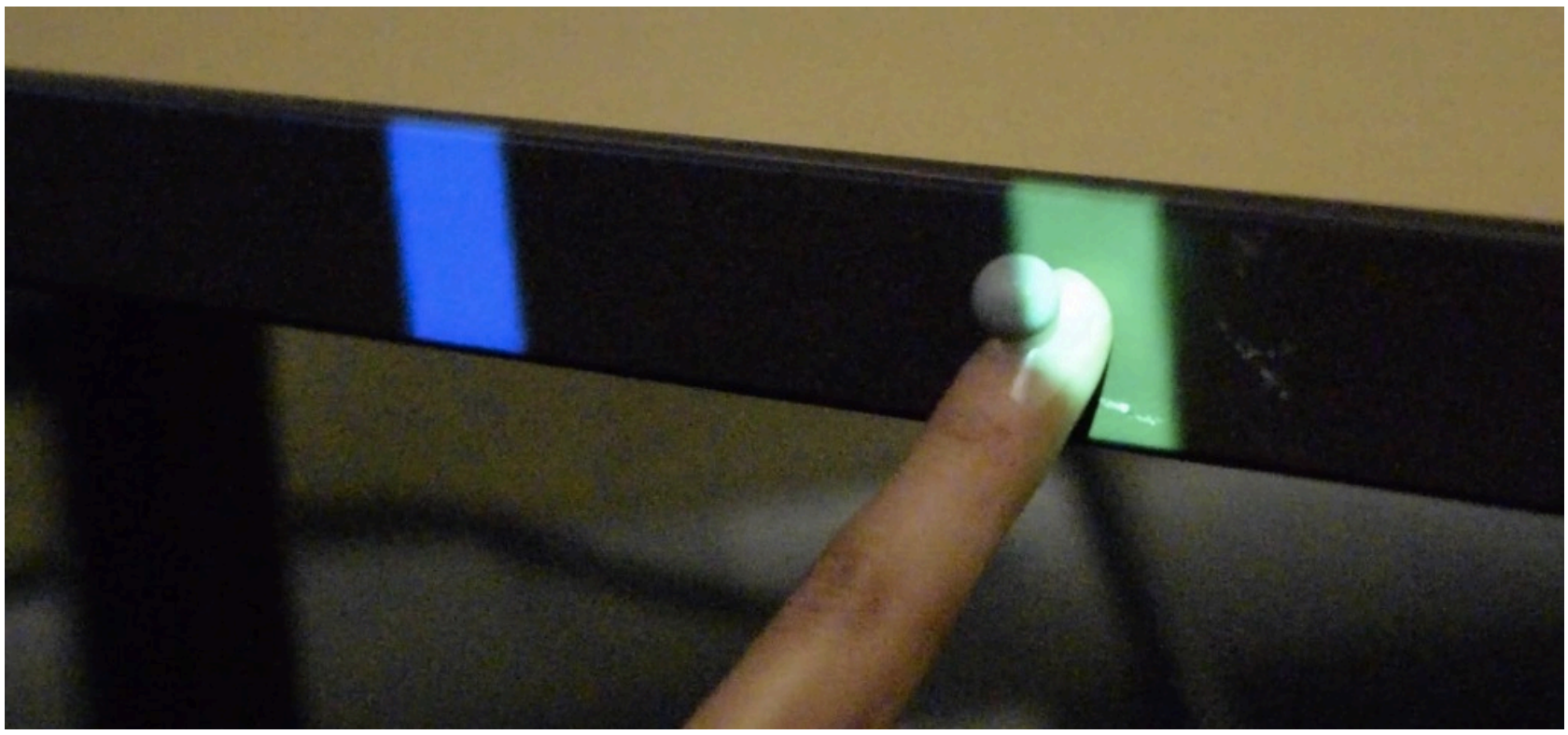

**Nikhita Joshi** and Daniel Vogel. *An Evaluation of Touch Input at the Edge of a Table*. CHI 2019.

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